

Title (en)

CONTROL CHANNEL RESOURCE CONFIGURATION METHOD, BASE STATION, AND TERMINAL DEVICE

Title (de)

VERFAHREN ZUR KONFIGURATION EINER STEUERKANALRESSOURCE, BASISSTATION UND ENDGERÄTEVORRICHTUNG

Title (fr)

PROCÉDÉ DE CONFIGURATION DE RESSOURCES DE CANAL DE COMMANDE, STATION DE BASE ET DISPOSITIF TERMINAL

Publication

**EP 3996447 A1 20220511 (EN)**

Application

**EP 21199897 A 20171101**

Priority

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- EP 17868242 A 20171101
- CN 2017108851 W 20171101

Abstract (en)

Embodiments of this application provide a control channel configuration method, a base station, and a terminal device. The method includes: determining, by a base station, a configuration of a time-frequency resource unit from at least two configurations of a time-frequency resource unit of a control channel; and sending, by the base station, indication information to a terminal device, where the indication information is used to indicate the configuration of the time-frequency resource unit, and the at least two configurations of a time-frequency resource unit include a first configuration and a second configuration. In the embodiments of this application, the base station can flexibly configure the time-frequency resource unit of the control channel. In addition, flexibly configuring a time-frequency resource unit can reduce a probability that time-frequency resource units of different structures are blocked, thereby reducing complexity of detecting the control channel by the terminal device.

IPC 8 full level

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CPC (source: CN EP RU US)

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Citation (applicant)

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Citation (search report)

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- [A] HUAWEI ET AL: "sPDCCH design for short TTI", vol. RAN WG1, no. Nanjing, China; 20160523 - 20160527, 14 May 2016 (2016-05-14), XP051096625, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/tsg\_ran/WG1\_RL1/TSGR1\_85/Docs/> [retrieved on 20160514]
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**US 10555296 B2 20200204**; **US 2019141690 A1 20190509**; BR 112019008834 A2 20190709; CN 108024354 A 20180511; CN 108024354 B 20231107; CN 108847918 A 20181120; CN 108847918 B 20190712; CN 108990162 A 20181211; CN 108990162 B 20190813; CN 117440517 A 20240123; EP 3537804 A1 20190911; EP 3537804 A4 20200701; EP 3537804 B1 20211027; EP 3996447 A1 20220511; EP 3996447 B1 20231227; EP 4336788 A2 20240313; EP 4336788 A3 20240529; JP 2020502886 A 20200123; JP 6818885 B2 20210120; RU 2019116865 A 20201203; RU 2019116865 A3 20201203; RU 2748942 C2 20210602; US 11109371 B2 20210831; US 11722286 B2 20230808; US 2020163069 A1 20200521; US 2021392631 A1 20211216; US 2024007261 A1 20240104; WO 2018082551 A1 20180511

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